Facsimile No.
Form PCT/ISA/210 (second sheet) (January 2004)

	MIERCATIONAL SEARCH REPURI	4	international appl	ication No.		
<u> </u>			PCT/JP2004/018648			
A. CLASSIF	ICATION OF SUBJECT MATTER L ⁷ B01D46/52			***		
				8		
According to I	nternational Patent Classification (TDC)		_			
} 	nternational Patent Classification (IPC) or to both natio	nal classification and IPC				
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols)						
Int.Cl	B01D46/00-46/06, 46/52	classification symbols)				
}	, , , , , , ,					
]						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched						
Jilsuyo Shinan Kono 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005						
		oroku Jitsuyo Sh		1994-2005.		
Electronic data	base consulted during the international search (name of	f data base and, where pr	acticable, search te	rms used)		
•						
C. DOCUME	NTS CONSIDERED TO BE RELEVANT	- p				
Category*						
X	Citation of document, with indication, where appropriate, of the relevant passages		(Relevant to claim No.		
Α	JP 61-192320 A (Tilghman Whe 26 August, 1986 (26.08.86),	elabrator Ltd	1.),	1,9,10,16,		
Y	Claims; page 5, upper left c	23,24 2-8,11-15,				
A	lower left column; drawings	1	20,21			
	4 03 4740339 A & EE	P 172699 A2		17-19,22		
Y	JP 7-31820 A (Osamu ASAI),			2-8,11-15,21		
	03 February, 1995 (03.02.95)	.]	,			
	Claims; Par. Nos. [0007], {00 (Family: none)	U12]; all draw	ings	•		
			1			
			1			
			İ			
	,					
		·				
Further documents are listed in the continuation of Box C. See patent family annex.						
* Special categories of cited documents: "A" document defining the general state of the art which is not considered. "A" later document published after the international filing date or priority						
to be of particular relevance date and not in conflict with the application but cited to understand the principle or theory underlying the invention						
earlier application or patent but published on or after the international filing date "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to invente a invente or invented to invented to invente or invented to invented to invente or invented to invented to invente or invented to invented to invente or invented to invented to invente or invented to invented to invente or invented to invented t						
cited to establish the publication detailed to establish the est						
special reaso	document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the					
"P" document pu						
priority date	Claimed	"&" document member of	of the same patent far	nily		
Date of the actual	completion of the international search	Date of mailing of the	international cos	h manaet		
15 Marc	h, 2005 (15.03.05)	29 March,	2005 (29.0)3.05)		
				•		
Name and mailing address of the ISA/ Authorized officer						
oapanes	e Patent Office	i				

Telephone No.

International application No.

PCT/JP2004/018648

DOCUMENTS CONSIDERED TO BE RELEVANT		
y* Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No
CD-ROM of the specification and drawings annexed to the request of Japanese Utilit Model Application No. 36852/1993 (Laid-ope No. 3713/1995) (Kabushiki Kaisha Murakoshi), 20 January, 1995 (20.01.95), Claims; all drawings (Family: none)	y en	20,21 17-19,22
	·	
		. (
		(
		· ·
	1	
	CD-ROM of the specification and drawings annexed to the request of Japanese Utilit Model Application No. 36852/1993 (Laid-ope No. 3713/1995) (Kabushiki Kaisha Murakoshi), 20 January, 1995 (20.01.95), Claims; all drawings	Citation of document, with indication, where appropriate, of the relevant passages CD-ROM of the specification and drawings annexed to the request of Japanese Utility Model Application No. 36852/1993 (Laid-open No. 3713/1995) (Kabushiki Kaisha Murakoshi), 20 January, 1995 (20.01.95), Claims; all drawings

International application No.

PCT/JP2004/018648

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: 1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows: The inventions of claims 1-16 relate to a "flat cartridge element," the inventions of claims 17-19 relate to an "attachment-detachment mechanism for a cartridge element," the inventions of claims 20-22 relate to a "dust collector," and the inventions of claims 23-24 relate to a pulse jet-type dust collector." Further, the matter common to claims 1-24 is a "cartridge element." However, the search has revealed that the cartridge element as the common matter is disclosed in JP 61-192320 A (TILGHMAN WHEELABRATOR LTD.), 26 August, 1986 (26.08.86), and therefore the common matter is not novel. (continued to extra sheet)
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. X As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: Remark on Protest The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.

International application No.

PCT/JP2004/018648

Continuation of Box No.III of continuation of first sheet (2)

As a consequence, there is no special technical feature common to all the claims, and no technical relationship within the meaning of PCT Rule 13 between the different inventions can be seen.

Form PCT/ISA/210 (extra sheet) (January 2004)